

Carbon Nanotubes Industry Future Scope and Investment Forecast 2030

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EINPresswire.com/ -- The global [carbon nanotubes \(CNT\) market](#) continues to gain momentum, driven by rising demand across key end-use industries, the growing shift toward renewable energy solutions, and rapid advancements in carbon nanotechnology. According to a report by Allied Market Research, the market was valued at \$15.3 billion in 2017 and is projected to reach \$103.2 billion by 2030, registering a robust CAGR of 16.3% from 2021 to 2030.



However, the market also faces certain challenges. Production scale-up limitations and the resulting high manufacturing costs, along with increasing demand for alternatives such as inorganic and boron nitride nanotubes, are hindering growth. Despite these obstacles, the commercialization of CNT-based transistors, expanding biomedical applications, and extensive R&D efforts are expected to create significant growth opportunities in the coming years.

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Market Segmentation:

By Type:

- Multi-Walled Carbon Nanotubes (MWCNTs) dominated the market in 2017, accounting for nearly three-fourths of the total share.
- Single-Walled Carbon Nanotubes (SWCNTs) are forecast to grow at the fastest rate, with a CAGR of 20.9% during the forecast period.

By Technology:

- The CVD segment held the largest share in 2017.
- The catalytic CVD segment is expected to record the highest CAGR of 17.9% from 2021 to 2030.

Regional Insights:

- Asia-Pacific emerged as the leading region in 2017, capturing nearly two-fifths of the global market. It is also projected to exhibit the highest growth rate, with a CAGR of 17.5% throughout the forecast period, driven by strong manufacturing activity, increasing R&D investments, and expanding renewable energy initiatives.

Key Market Players:-

The report highlights several prominent players shaping the industry landscape, including:

- Cabot Corporation, Arkema SA, CHEAPTUBES, CHASM Advanced Materials Inc., Jiangsu Tiannai Technology Co. Ltd., Hyperion Catalysis International, Kumho Petrochemical, Klean Industries, Nano-C, LG Chem, Nanostructured & Amorphous Materials Inc., Nanocyl SA, OCSiAl, Nopo Nanotechnologies, Raymor Industries, Ossila Ltd., Thomas Swan & Co. Ltd., Showa Denko K.K., Tokyo Chemical Industry Co. Ltd., and Toray Industries.

For more information, visit <https://www.alliedmarketresearch.com/carbon-nanotube-market/purchase-options>:

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